



CONGRATULATIONS MARY CUSMAN! Mary, secretary to R. F. Hibbs, Y-12 Plant Superintendent, was named last week by the Oak Ridge Chapter of the National Secretaries Association as member of the year. Above, Helen Thomas, secretary to the director of the Thermo-nuclear Division and assistant ORNL director, makes the presentation.

Mary Cusman Honored As NSA Member Of The Year

Mary A. Cusman, secretary to R. F. Hibbs, Y-12 Plant superintendent, was named member of the year in ceremonies last week by the National Secretaries Association, Oak Ridge Chapter. (Superintendent Hibbs had previously been honored earlier as "Boss of the Year" by NSA.)

Mary is a native of Ashtabula, Ohio, and came to Y-12 October 6, 1950. She previously was employed by the Roane-Anderson Company here. A graduate of the Ashtabula High School, Mary has done considerable work at the University of Tennessee's extension in accounting, business and secretarial skills studies. She lives at 406 Virginia Road, Oak Ridge.

The selection committee, in naming the member of the year, is guided by certain criteria which have been approved by the local chapter of NSA. The award is one of the highlights of National Secretaries Week festivities in Oak Ridge. The cup was presented to the chapter by the late Margaret Stewart, who held the title in 1954.

In awarding the cup, Helen Thomas, secretary in the Thermo-nuclear Division of Oak Ridge National Laboratory here in Y-12, stated: "Our member of the year for 1967 is deserving of this award because of her professional attitude and demonstrated service, not only on the local level as an officer and as chairman of major and subcommittees, but for her

undaunting willingness to participate in all activities of National Secretaries Association, at local, at divisional and at international levels. She also participates in NSA's educational and CPS activities. She is a poised and attractive individual who has earned the respect and admiration of her fellow secretaries. We feel that she exemplifies the professional secretary and truly merits this award."

Cora McAfee, secretary to T. E. Lane, general industrial relations superintendent for the Nuclear Division, was named the "Silver Secretary" at last week's festivities. Cora, a native of Massachusetts, became Lane's secretary in the New York Office of Union Carbide in November of 1943, and transferred here with him in March, 1944. A Certified Professional Secretary, she lives at 153 Georgia Avenue, Oak Ridge. Oak Ridge Mayor A. K. Bissell presented her with an orchid and a sterling silver commemorative Oak Ridge coin, in bestowing the title on her.

NSA, through its educational and scholarship programs, seeks to elevate standards of the secretary to the highest professional level. Many Y-12 secretaries are active in the local chapter.

Mabel Tyer, secretary to the superintendent of Industrial Relations, is serving her second term as president of the Oak Ridge chapter.

ASCET Meeting In Knox Tomorrow

The Oak Ridge-Knoxville Chapter of the American Society for Certified Engineering Technicians will meet tomorrow, Thursday, May 4. The dinner meeting is slated at Weaver's Cafeteria Number Three, Knoxville, and set for 6:45 p.m. with the technical session at 7:30 p.m.

Bernard J. Frederick, Geological Survey Department, U.S. Government, will speak on "The How and Why of Stream Flow Measurement."

Frederick has been chief of the Knox Sub-district office of the U.S. Geological Survey Water Resources Division since 1964. He attended Clarkson College of Technology prior to World War II and received his BS in Civil Engineering there after the war. Prior to his current assignment he was with the USGS, Albany, New York, Chattanooga and Oak Ridge, and West Milton, New York, working on flood investigations, site evaluations and research projects. He has been active in ASCE, having served as president of the Oak Ridge Branch in 1962 and the Tennessee Valley Section in 1966. He is also a member of NSPE registered in Tennessee.

The local chapter extends a welcome to non-members who have an interest in being certified. For information contact B. H. Montgomery, plant extension 3-7028.

Union Carbide Board Declares 50¢ Dividend

The board of directors of Union Carbide Corporation has declared a quarterly dividend of fifty-cents (50¢) per share on the outstanding capital stock of the corporation payable June 1, 1967, to stockholders of record at the close of business April 28, 1967.

The last quarterly dividend was fifty-cents per share paid March 2, 1967.

ACS Analytical Group Meeting Is Tonight

Dr. R. L. Easterly, Pharmacia Fine Chemicals Company, Piscataway, New Jersey, will speak to the Analytical Group of the East Tennessee Section of the American Chemical Society meeting tonight. The ACS meeting is set tonight, May 3, at 8 p.m. in Room E-5, Oak Ridge Associated University Training Building.

He will speak on "Sephadex Gel Filtration - Theory, Experimental Techniques and Applications."

SAFETY SCOREBOARD

The Y-12 Plant Has
Operated
16 Days Or
418,000 Man-Hours
(Unofficial Estimate)
Through April 30
Without A Disabling
Injury
Working Safely Is
Very Smart Business

\$400 Million In New Facilities This Year Board Chairman Mason Tells Stockholders

President Kenneth Rush Cites Recently Begun Expansion In Union Carbide's Modernization

Union Carbide Corporations plan to invest \$400 million in new facilities this year, the largest construction program in its history, reflects the corporation's confidence in the growth potential of its established products and prospects for newly developing businesses. Thus Birny Mason Jr., chairman of the board, told stockholders at the annual meeting April 18 at Hunter College. Mason mentioned that the corporation's recent \$250 million public debenture issue would help support this large capital investment program.

In commenting on Union Carbide's record earnings performance in 1966, Mason pointed out that the corporation's resistance to union efforts to force multi-plant, multi-union bargaining had been costly, but said that he felt it was in the best long-term interests of both stockholders and employees because it enabled the corporation to retain proper managerial control of its operations. The dispute led to work stoppages at 11 production facilities, 10 of which have since resumed operations.

Year's Performance Will Depend On Duration Of Economic Adjustment

Mason referred to the pronounced softening in the nation's economy in the past few months. He described it as a period of adjustment brought on by some of the imbalances that have developed during the past two years of abnormally vigorous economic activity, and he said that the rapid change in the business pace is being reflected in Union Carbide's operating results so far this year. First-quarter results are not yet available, but earnings are expected to be more than 20 per cent below the record set last year. "Our performance for the entire year will depend in part on the duration and severity of this economic adjustment and the effects of any government action between now and the end of the year. We are expecting some improvements in sales above the current level, with corresponding improvements in our operating margins," Mason stated.

President Kenneth Rush described to stockholders some of the recently initiated programs considered vital to the growth of Union Carbide. Among those that he discussed were the corporation's current plant expansion and modernization program, realignment of various businesses to create greater opportunities for corporate growth and employee advancement, and efforts to secure further control of costs through operations improvements. Rush also cited programs involving additional computerization of information processing, development of a more active role in government relationships, establishment of closer ties with universities and colleges, and acceleration of public relations efforts.

Speaking of the magnitude of the construction program that Union Carbide has undertaken, Rush said that it will enable the corporation to upgrade its overall production facilities in a way that will provide significant cost and product quality advantages in the months ahead. He pointed out that in new plants such as the large petrochemical complex under construction at Taft, Louisiana, as well as in new units being built at existing plants, the corporation is incorporating accumulated technological know-how that will help to improve its overall production economics.

Accelerated Programs By Foreign-Based Union Carbide Plants

An activity mentioned by Rush as already yielding substantial benefits is the accelerated development of business outside the United States. He said that the establishment of five new subsidiary companies to coordinate Union Carbide's interests in various areas of the world is helping to make possible more effective worldwide management of the corporation's products and businesses. One of the important benefits of this new organization is that it gives foreign companies more direct access to the skills and know-how of domestic product divisions. Union Carbide is now in the process, Rush stated, of consolidating its overall operations on a worldwide basis. Starting with this year, the corporation will include in its financial reports the sales and earnings of its majority owned foreign subsidiaries. At the present time, only the results of operations in the United States, Canada, and Puerto Rico are consolidated. Rush said, "We think this integration of our international activities into our regular information system will help us to manage our affairs more consistently and effectively and to identify all of our opportunities for growth and improvement as they develop throughout the world."

The Bulletin

Published Weekly For The
Y-12 Employees Of
UNION CARBIDE
CORPORATION



NUCLEAR DIVISION

JAMES A. YOUNG Editor

Member



Appalachian
Industrial
Editors'
Association

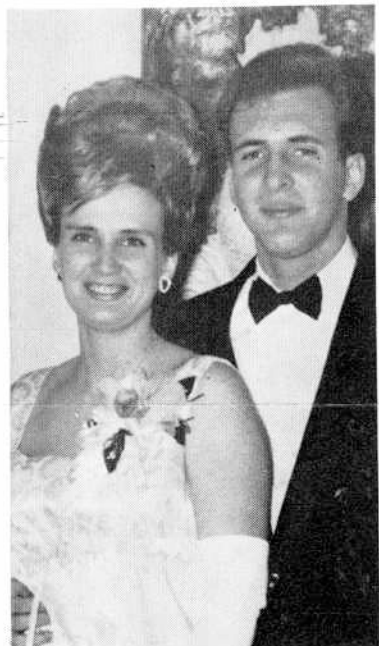
American Association Industrial Editors

OFFICE

Post Office Box Y
Oak Ridge, Tenn. 37830
Bldg. 9704-2 Room 137
Telephone 3-7100



WEDDINGS



Mr. and Mrs. Walter S. Heath

HEATH - THOMAS

The marriage of Miss Sula Ann Thomas has been revealed by her parents Mr. and Mrs. James P. Thomas, 209 South Purdue Avenue, Oak Ridge. The bride's father is in Y-12's Electrical and Electronics Department.

The groom, Mr. Walter Stephen Heath, is the son of Mr. and Mrs. Walter H. Heath, Athens, Tennessee.

The couple was married recently in Murphy, North Carolina, with the Reverend Marvin Hampton officiating.

A reception hosted by the bride's parents honored the couple Saturday, April 1, at the First Baptist Church.

Both the bride and groom are juniors at Tennessee Wesleyan College, Athens. The bride belongs to Sigma Kappa Sorority; Mr. Heath is a member of Sigma Phi Epsilon fraternity.

The couple is living at 550 Ingleside Avenue, Athens.

LIFE EXPECTANCY

With medicine doing so well at increasing our life expectancy, we'd best be careful about adding to the national debt. We might have to pay it off ourselves.

THE BARE FACTS

There was talk in the nudist colony about a costume party. "Well, with my varicose veins," allowed one lady, "I think I'll go as a road map!"

Playhouse Plans Big 25th Year!

Plans for the 25th Anniversary Season have been announced by the Oak Ridge Playhouse. The Membership Drive has begun and tickets for the Playhouse's big year may now be purchased at the Box Office in Jackson Square during the final week of the Playhouse's current production, "Absence of a Cello."

Selections for next season include the beautiful musical, "The King and I," which will open for an indefinite run on November 10. In January, "A Streetcar Named Desire," Tennessee Williams' prize-winning drama, will be presented. "Dark of the Moon" is set for March. This is a most unusual and entertaining folk drama full of humor and music and wild happenings. It is based on the Smoky Mountain legend of Barbara Allen. (The Playhouse should have no trouble casting this one!) "Mary, Mary," Jean Kerr's spectacularly successful comedy, and "Horse-O-Rama," the most popular of the Oak Ridge original written by Esther Kitzes, Helen Knox, and Betty Osborn, will complete the year.

Special events as well as Studio Theatre Products will make next season one of the biggest and most active in Playhouse history. Mrs. Dale Fisher, membership chairman, reminds everyone that seating assignments will begin on July 15. Anyone wishing to retain his current location should renew prior to that date. Other memberships will be assigned on a first-come, first-served basis. For those who desire a more flexible membership arrangement, Playhouse Convenience cards are available. For further information, contact the Playhouse through this weekend.

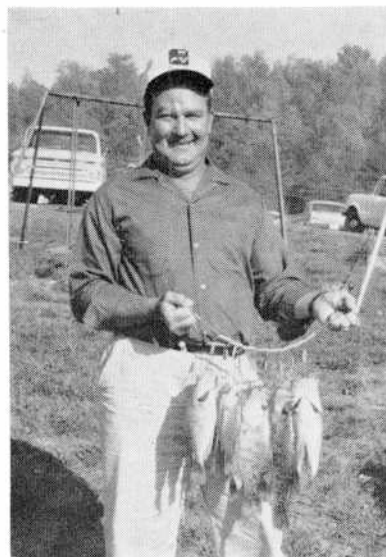
Perey Is Speaker At Physics Seminar

The subject of Friday's Physics Division seminar is "Data Reduction Using On-Line Computer and Light Pen Techniques." F. G. Perey, ORNL Neutron Physics Division will speak. A film will be used.

The seminar is set for Friday, May 5, at 3:15 p.m. in the East Auditorium of ORNL's 4500 building.



CUTE THREE-YEAR-OLD Tracy Lynn Brewer is the only grandchild of James and Nell Miller. (Nell is in Laboratory Operations and Jim is a former Y-12er.) Tracy lost her two front teeth in an auto accident when she was nine months old. Her parents, Mr. and Mrs. James Brewer (former Barbara Miller) live in McKenzie, Tennessee.



GUSTY WEATHER REPORTS, plus the fact that Watts Bar Lake wasn't full on schedule, cut the crowd a little as E, F, G, H and J Shifts staged their second fishing rodeo of the year. At left, C. A. Slaughter shows off his string of fish. He not only made off with this fine catch, but took the dock prize (a Garcia spinning rod) as well. Prize winners are seen to the right with their loot.



SNT Sets Tuesday Meet At Marina

The Oak Ridge Section of the Society for Nondestructive Testing will meet next Tuesday, May 9. The meeting is set for 6:45 p.m. at the Oak Ridge Marina on River Road, Oak Ridge. Dinner begins at 6:45 and the business and technical meeting is set for 8.

Edward L. Criscuolo, Naval Ordnance Laboratory, will speak on "Recent Activities of the International Organization for Standardization."

Criscuolo received his BS in electrical engineering from Drexel Institute of Technology. He joined the staff of the Naval Ordnance Laboratory's X-ray Lab in 1949 and at present is the senior non-destructive testing specialist. He is active in the work of SNT, having served on the board of directors for five years and is presently chairman of the technical council. He was the 1961 recipient of the Coolidge Award and presented the 1962 Lester Honor Lecture. He is active in several subcommittees of ASTM Committee E-7 and has had numerous papers published in both ASTM and SNT journals. He is a U.S. delegate to the International Institute of Welding Commission V.

The dinner tab for Tuesday's meeting is only \$2. Members and interested parties are cordially invited.

Reserve Army Unit Recruits Technicians

Army reservists, officers and enlisted men with a technical or scientific degree, can be accepted by the 3252nd Research and Development Unit in Oak Ridge. This unit, which meets for two hours on Tuesday nights, allows the reservist to earn retirement points although the billets are unpaid. The unit also sponsors the Army Nuclear Science Seminar in Oak Ridge each year which provides an opportunity for members to take their two weeks paid active duty here.

Army reservists in Y-12 are urged to call Major Harwell Smith, plant extension 3-7161, or Oak Ridge telephone 483-9347.

Another Drivers Test Will Be Given In May

Another driver's test will be televised Tuesday, May 23.

Be sure to test yourself to see how good a driver you are. The questionnaire form will be run in the Bulletin shortly.

Gusting Winds, Foul Weather Forecasts Dampen Crowds For Shifters' Big Rodeo

A total of 60 brave fishermen didn't believe the weather forecast for Saturday, April 15, and came out to E, F, G, H, and J's fishing party at Blue Springs.

Prize winners were:

Largemouth Bass

1. Elbert Scott
2. R. K. Barnett
3. Hubert Rollen

Smallmouth Bass

1. G. G. Everett
2. B. A. Murr
3. Albert Everett

Crappie

1. J. H. Whatley
2. S. R. Anderson

Bream

1. J. E. Williams
2. Jack Johnson

Pike

1. Joe Whittaker
2. Howard Horne
3. Frank Thurman

Despite the relatively low turnout, shifters report a fine time by all . . . plenty of fish too. "Backlash Benny" says he had a world of good pictures, but skunks made off with them while they were drying!

A Powder Puff rodeo is planned the middle of May by the shifters. Details later.



Riders wanted from East Village, Oak Ridge, to Biology Portal, straight day. R. E. Toya, plant extension 3-7351.

Rider wanted from South and West Knoxville via Solway to West Portal, straight day. W. H. Sherrod, plant phone 3-5363, home phone Knoxville 577-0295.

Schonfeld Will Give Benefit Concert Saturday

A benefit concert, including a beautiful movie, will be held Saturday, May 13, at the Oak Ridge High School. The afternoon concert, especially for children, features Ernest Schonfeld in a piano recital with explanations for children. He will be followed by a movie of a Mozart piano concert, and a Mendelssohn violin concerto. Leonard Bernstein conducts the New York Philharmonic Orchestra in the film.

The children's concert begins at 3:45 p.m. at the Oak Ridge High School.

The evening program at 8:15 p.m. features a piano recital for adults, featuring works by Mozart, Schubert, Chopin, Debussy and Beethoven. It will be followed by the Bernstein film.

All proceeds will go to the Daniel Arthur Rehabilitation Center.

COMMON DENOMINATOR

Most of us have a lot in common. For instance, we all have dental cavities and a disability to balance our checking account.

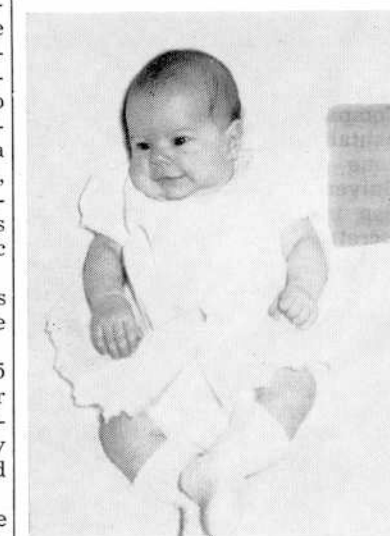
Don't let carelessness rob you of your job.

Camera Club To Hear Undersea Photographer

The Carbide Camera Club meets next Tuesday, May 9, at 8 p.m. in Cheyenne Hall. Speaker will be Dennis Weaver, Tennessee Divers and Tropical Fish, Knoxville. He will show underwater slides taken in the Bahamas, as well as demonstrate diving equipment and underwater camera usage.

Camera Club dues are \$3 per member . . . plus \$1 per person for each individual member of the family.

All Carbide employees interested in camerawork are welcome to join in the educational, social and professionalism of the club's activities.



A BRIGHT SMILE at only two months is little Miss Janita Lynn Ross, a daughter of the Bill Rosses, Bowling Green, Kentucky. Proud Grand-pa Fred Marrow, Maintenance, says she is the only grand-daughter . . . so the boys will just have to take the back seat for a while.



THE BIG BADGERS, C BOWLING LEAGUE CHAMPS, won a three-point victory last week from the Rounders . . . thus taking the last half by one point. They had already won the league's first half, thus eliminating any necessity for a roll-off. From left are Sam Campbell, A. E. Smith, Tom Watts, Hugh Richards and Captain Dick Huber. H. D. Whitehead subbed for Huber in the final action. Tom Pappas and Bobby Hopkins, not pictured, also lent valuable assistance to the team's efforts during the season.

Badgers Beat Rounders In Position Roll-Off To Take C Alley Championship

Another Y-12 bowling league crowned a champion last week, as the C League position roll-off gave the last half of the league to the Badgers. The Badgers had already won the league's first half. Therefore, no roll-off will be needed.

The Badgers took the Rounders for three points . . . to win the season by a mere one point. They lost game one by five pins . . . won number two by 118 pins, and the last game by 23 pins . . . total pins by 136 pins!

Other position roll-offs saw the Big Five take four from the Strikers and the Rollmasters roll by the same score over the Royal Flush. Taking three were the Hi-Lifers over the Fireballs, the Rodders past the Sunflowers, and the Invalids over the Parbusters.

The Rounders won second place in the league's first half . . . ditto in the second . . . and automatically become runner-up for the league crown.

A. E. Smith, Badgers, helped his team to its heights with singles of 220 scratch, 243 handicap . . . series of 594 and 663.

The champs swept final nights action with singles of 969 scratch,

1096 handicap series of 2617, 2998. Final standings follow:

Team	W	L
Badgers	36	24
Rounders	35	25
Big Five	34	26
HiLifers	32½	27½
Strikers	32	28
Fireballs	31	29
Rodders	29	31
Sunflowers	28	32
Invalids	27	33
Rollmasters	26½	33½
Parbusters	26	34
Royal Flush	23	37

Recreation



Monday, May 8

SOFTBALL: Beginning 6:15 p.m., 7:30 and 8:45. Pinewood Park. K-25 Sports vs. Braves. Flyers vs. K-25 Slugs. Eagles vs. Bat Boys.

PHYSICAL FITNESS: (For Women) 7 p.m., Oak Ridge High School Girls' Gym.

Tuesday, May 9

SOFTBALL: 6:15, 7:30, 8:45 p.m., Pinewood Park. Falcons vs. Pirates. Big Shops vs. Braves. K-25 Mets vs. K-25 Sports.

PHYSICAL FITNESS: (For Men) 7:30 p.m., Oak Ridge High School Gym.

CARBIDE CAMERA CLUB: 8 p.m., Cheyenne Hall.

Wednesday, May 10

CARBIDE RIFLE LEAGUE: 7 p.m., Clinton Rifle Range.

Thursday, May 11

SOFTBALL: 6:15, 7:30, 8:45 p.m., Pinewood Park. Flyers vs. Bat Boys. K-25 Slugs vs. Pirates. Eagles vs. Braves.

ARCHERY LEAGUE: 5:15 p.m.-8:15 p.m., Oak Ridge Sportemen's Association.

Saturday, May 13

POWDER PUFF RODEO: E, F, G, H and J Shifts. Carbide Recreation Park. Registration begins 6 a.m. (Wives and/or dates, daughters welcome! All prizes will be for milady!)

Sunday, May 14

SKEET TOURNAMENT: 1 p.m., Oak Ridge Sportsmens Association.

Larry Kincaid's 73 Golf Tally Is Wallace Hills Low

Larry Kincaid turned in the low card at Saturday's big Wallace Hills Golf Tournament, scoring a one-over par 73. A record-smashing 195 duffers turned out for the initial tilt on the Blount County greens.

Carl Dorr and Jim Pugh tied for second place scratch with 74 each. D. E. Littleton placed fourth in scratch with 78.

Handicap-scoring in the first division saw Joe Raper lead the field with a low 67. Bill Lanter's tally showed at 69 . . . followed by F. K. Clabough, 70; and Dick Spurling with 71.

Cotton Thomas counted 14 pars to take honors in the par division . . . followed by Bill Mee and Jim George, each with 12.

SECOND DIVISION

Sewell Brown captured the second division, scoring an 80 scratch total . . . followed by Bruce Hogg and Roy Worley, each with 81. C. R. Ferguson scored 83 to take fourth place in this flight.

Handicap winners were Hugh Beeson, 70; Jack Gamble, E. M. Massey and Paul Johnson, all with 71 each.

Dana Arnold, Harry Shatley and Jim Wiley all scored 10 pars in this flight.

THIRD DIVISION

Bill Butterini banished the field in the third flight, scoring an 82. He was followed by Tony Heitzman and John Minchey, each with 85 . . . and G. A. Tedder with 88.

Handicap winners were Howard Nobles, 68; A. J. Naleppa, 70; Jim Batch and Bill Akers, each with 71.

J. R. Milligan scored eight pars . . . W. A. Rutherford, seven.

FOURTH DIVISION

Mont Kendrick copped honors in the fourth flight . . . with an 89 . . . followed by Jack Gresham, 91; Virgil Lovett, 94 . . . and W. L. Seavers, 97.

Handicap winners in the last flight were A. G. Bryant, 69; Richard Loveless, H. L. Bailey and Roy Huddleston, all with 73.

E. W. Smith saw four pars . . . and Bill Everett, Carl Nelson, C. C. Neimier, J. L. Perry, B. L. Carter, T. W. Compton, H. C. East, W. R. Smeltzer and R. F. Holdaway all had three pars.

Details on June's tournament can be found on these pages.

Golfers, is your name in the pot to participate in the Golf League this summer at Melton Hill?

If enough interest is shown a day-time league will also be formed, giving second-shift men the opportunity to tee-off in the mornings. Eight teams (two-somes) would be needed for such a league.

Call Recreation at 3-7109.

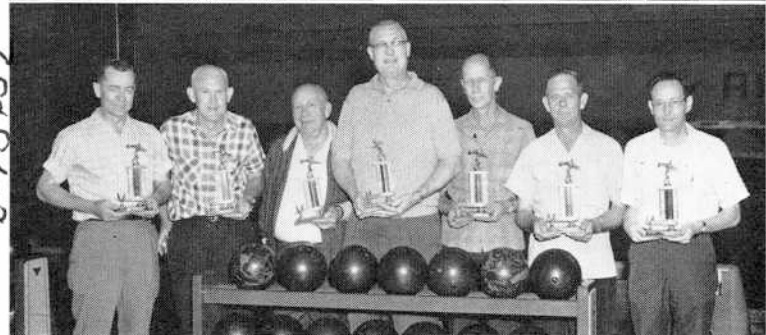
Limited Garden Space Can Be Utilized Over

Garden space limited? You can produce a lot of vegetables if you utilize the soil properly. For instance, in a single row you can plant radishes as soon as you can work the ground. A month later they'll be eaten, the row will be vacant, and you can use the same ground for snap beans.

Many other vegetables can be doubled up in the same way. Spinach, an early vegetable, can be followed by peppers; onion sets by carrots or beets.

CUTTING STORY SHORT

To make a long story short, there's nothing quite like having the boss walk in right in the middle of one.



TROPHY-TAKERS IN THE CLASSIC LEAGUE line up after the big roll-off. At the top are the Bumpers who won the league championship. They are from left, Red Halsey, Bill Stephens, Elmer Green, C. W. Craven and Ray Galford. The Rebels are Jim Shoemaker, J. C. Bryan, U. A. Riddle, Norm Jarvis, Jack Spears, L. E. Sikes and Jack Barnett. The Bumpers won the roll-off by a comfortable 173 pins.

Gatlinburg Golf Course Is Scene For Second Big Contest May 20

With a record turnout for the debut of the Golf Season in Y-12 last Saturday, it's already time to look to May's big conclave.

May's tournament is set Saturday, May 20, at the beautiful Gatlinburg Golf Course in the Smoky Mountains.

There's good news, too, for lazy golfers. More carts have been added and will be available two to a foursome. Cart rentals are \$3.50 . . . or \$7 per electric cart. Cart renters will go off together . . . probably early. There are 48 carts now available . . . or to 24 foursomes.

Greens fees at Gtlinburg are \$4 this year.

A coupon appears below for the convenience of those wishing to enter the Gatlinburg contest.

Fill out the details completely, indicating whether your foursome wants carts or not. Your tee-off time will be determined in part by whether you rent carts or not.

Deadline for entering the May tournament will be 4:30 p.m. May

17 . . . and drawings will be held early May 18.

Foursome leaders will be notified of exact tee-off times.

More Mixed Bowlers Needed For Summer Play

Recreation says there's about half enough in the men-women bowling league to get started for the summer.

If you and your wife (or girl friend, co-worker, or what) wish to bowl in the Mixed Summer League, time's wasting. Call Recreation at 3-7109.

Any wife or husband of a Y-12 employee may bowl with his or her mate. Time has not been decided yet, but lanes are fairly available during summer months.

That's Recreation, 3-7109. Call if you two want to bowl this summer.

Safety is the guardian of life, health and happiness.

Tee-Off and Golf Cart Application GATLINBURG GOLF TOURNAMENT

Saturday, May 20, 1967

Foursome

_____, Leader

Does your foursome wish to draw for two carts? ☐ Yes ☐ No

Golfers with carts will tee off first.

Tee-Off Time Preferred _____

Leader's plant phone number: _____

Fill out completely and return to the Recreation Office, Building 9704-2. Deadline for entering is 4:30 p.m. Wednesday, May 17. Tee-off times will be drawn the next day, Thursday, May 18, at 8:30 a.m.



UNION CARBIDE CORPORATION
NUCLEAR DIVISION
P. O. BOX Y, OAK RIDGE, TENNESSEE 37830

(RETURN REQUESTED)

BULK RATE
U.S. Postage
PAID
Oak Ridge, Tenn.
Permit No. 71



"May never was the month of love, For May is full of flowers," said an old English poet. 'Tis a month of anniversaries, a few at least. Congratulations to these Y-12ers marking important landmarks with Union Carbide Corporation.

20 YEARS

Howard R. Okla, 9215 Rolling, May 3.

Ava J. Lyons, Laboratory Operations, May 5.

Jack Scott, Janitors Department, May 8.

Winfred C. Collins, General Weld Shop, May 9.

15 YEARS

Amos A. Gibbs, Receiving Department, May 7.

Howard A. Phillips, Timekeeping Department, May 7.

William B. Motley Jr., 9215 Rolling, May 9.

Food Products Group And Cellulose Casings

The Food Products Division of Union Carbide manufactures cellulose and plastic films for processing and packaging meats, poultry, and other food products. One of its major products is a cellulose casing used to form skinless frankfurters, which is removed after cooking and smoking operations are completed. The division also makes polyethylene and other types of plastic film for protective packaging of other meat products and poultry, such as sausages, boneless hams, and frozen turkeys.

U. T. Arboretum Society Seeks Members And Sets Plant Bonus Sale Here Saturday

What is an arboretum? It is defined as "A place where trees and shrubs are cultivated for scientific or educational purposes."

Oak Ridge has a very fine Arboretum and the University of Tennessee Arboretum Society (UTAS) is seeking support of all interested persons in carrying out an ever-increasing program. The Society is a private, non-profit organization which was organized to support and aid in the development of the Arboretum. Projects of the Society are financed almost entirely from money collected as membership fees from individuals and interested organizations.

The Arboretum is located in Oak Ridge alongside State Route 62 (Kerr Hollow Road) just west of Solway bridge. It was initiated under the direction of Professor R. D. MacDonald as a project of the Forestry Department, U.T. Agricultural Experiment Station, in May 1964, with the assistance of other departments of the University. The Arboretum covers about 250 acres of land, mostly forested in pine and oak-hickory forest, which was heavily farmed prior to its purchase by the U.S. Government in 1942. Initial development of the Arboretum has already become the major research arboretum of the southeastern United States.

Foot Trails Built

A reflecting pond with a small dam and waterfall as well as a marsh area has been built to provide for moist-site plants and about 25 acres of old fields have been cleared of brush to provide other settings. About two and one-half miles of roads and one and one-half miles of foot trails

have been built to provide access to the various areas.

Several major plant collections have already been established. More than 20 varieties of native flowering dogwood are planted near the entrance, and the viburnum collection of over a dozen varieties is nearby. The Arboretum has a collection of over 150 different kinds of magnolias, but only about two dozen have been planted in the magnolia area. The Holly Society of America has designated the Arboretum as an official Holly Society Garden. The holly planting is sponsored by the Oak Ridge West Village Garden Club and includes over 50 different kinds of holly.

Other Projects Afoot

Other major projects underway include the Heath Cove of rhododendrons and azaleas, the shrub garden, the muscadine arbor, the juniper garden of over 50 varieties, the beech wildflower trail, and the pine, willow, and dwarf conifer collections. The dwarf conifer collection is being rapidly expanded by recent additions and will be one of the most outstanding in the South. Visitors should make it a point to see those conifers on display at the entrance of the Heath Cove.

The Arboretum has received a grant for the establishment of an International Plant Records Center which will study the use of electronic data processing of plant records.

The Arboretum will participate in the 1967 Arts Festival with guided nature walks scheduled at 2:30 p.m. on May 14, 21 and 28. Visitors are welcome daily from 9 a.m. to 5 p.m.

Membership Advantage

Members of the Society receive free bonus plants and may buy others at reduced rates at the annual plant bonus sale. The sale for this year will be open to Society members at the Arboretum on Saturday, May 6, at 2 p.m. Those plants remaining will go on sale to non-members on Sunday, May 7. Some of the plants which will be available include the dwarf Alberta spruce, the monkey - puzzle tree (Chilean pine), the bald cypress, and dawn redwood. Many members received the rather rare dawn redwood as their free plant last year.

Several levels of membership are available in the UTAS . . . starting at \$5 for individuals and \$25 for organizations. Interested persons are urged to send their contributions to the UTAS Treasurer, G. A. Gerhart, 115 Pine Road, Norris, or attend the plant sale and join while there.

THIRSTY LAND

Agriculture and industry share an enormous thirst for water. During one growing season 1,600,000 gallons of water may be needed to irrigate just one acre of farm land. For each person in this country, farmers use 500 gallons a day for irrigation. Industry uses 170 gallons a day per capita, most of which is returned to the streams.



INAUGURAL SHOTS ON THE NEW PISTOL RANGE at the Oak Ridge Sportsmen's Association are taken by Roy McHenry, ORNL, and Y-12ers Jack Case and Finis Patton . . . l to r. The new indoor facility will be dedicated Sunday, May 7, at 2 p.m. The public is invited to tour the new facilities.

New Indoor Rifle, Pistol, Archery Range Will Be Dedicated By ORSA At 2 Sunday

The Oak Ridge Sportsmen's Association will formally open a new \$40,000 12-point indoor rifle, pistol and archery range at 2 p.m. Sunday, May 7. The new facility, having many features not commonly found in existing ranges, will give ORSA one of the nation's best indoor ranges. These features include a firing line with heating coil imbedded in the floor; a backstop strong enough to withstand repeated impacts of centerfire pistol bullets; uniform lighting throughout the range section; separate heating and ventilation systems for the firing and lobby areas; a glass partition between range and lobby for spectator convenience; an unobstructed shooting area 52 feet wide; and many other unique features planned for the convenience of the shooter as well as the spectator.

Many Y-12ers are active in the sportsmen's group.

In addition to the indoor range and the high power rifle range, the ORSA has many other facilities, including a 36-point outdoor pistol range with targets at 25

and 50 yards; a 100-yard outdoor smallbore range; two skeet fields equipped with electric traps and lighted for night shooting; one trap field; a bench rest rifle range; an archery bulls-eye target course; an archery field course; and extensive picnic and campground facilities.

The public is cordially invited to visit ORSA and the dedication of the new range Sunday.

Spring Painting May Bring On More Hazards

A paint brush probably figures in your Spring Clean-Up plans at home, so keep these fire safety pointers in mind:

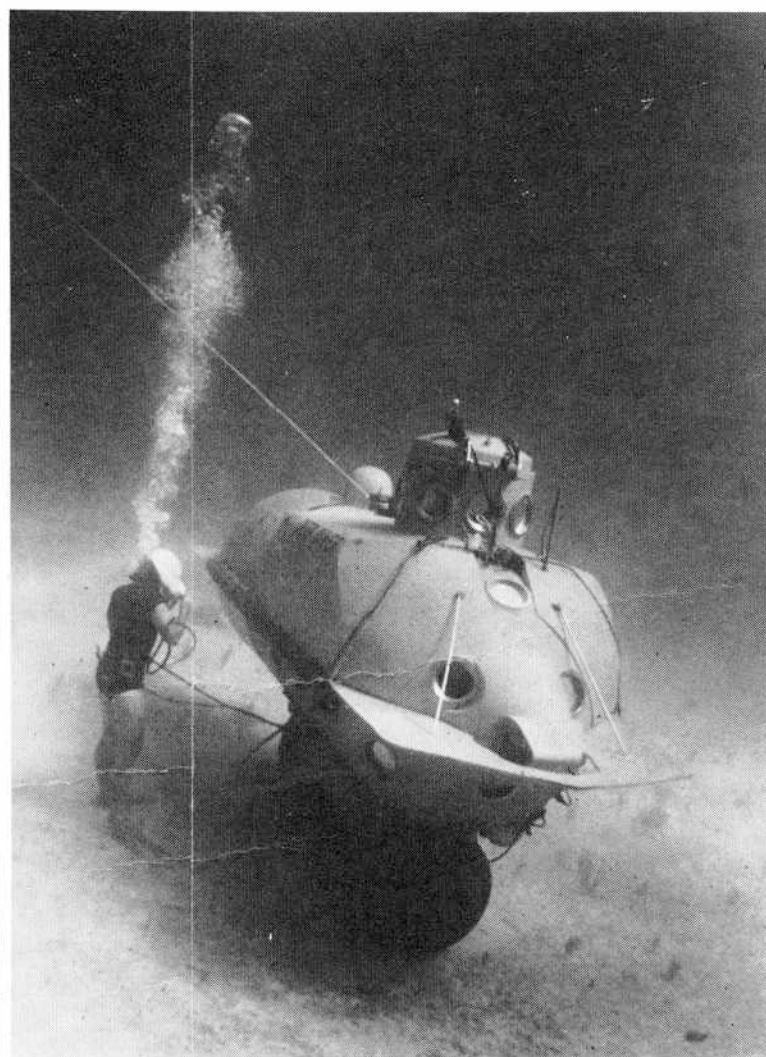
For paint removing and brush cleaning, solvents labelled "non-flammable" are safest. If you must work with flammable ones, better do it outdoors — but never in any area where there is open flames, or where anyone is smoking.

Get rid of old paint and solvent containers, and those with small left-over amounts. Store paints and solvents well away from furnaces, and only in capped metal containers — glass jars break easily, creating a definite fire hazard.

Safety practice with rags used to wipe up solvents or paint is to dispose of them immediately outside the house. If you must store them, use a metal container with a tight cover.

NEW BABY FOOD

There's a new baby food on the market . . . half garlic and half orange juice. It not only makes the baby healthy, it also makes him easy to find in the dark.



DEEP DIVER, A SUBMARINE 'TAXI' that enables divers to move about the ocean depths with the ease of a commuter, was demonstrated last Sunday on "The 21st Century" broadcast "Conquering the Sea." The submarine was designed and engineered by Edwin A. Link, Chief Marine Consultant of Ocean Systems, Inc., and by Perry Submarine Buildings, Inc., of Riviera Beach, Florida. Ocean Systems, Inc., is an affiliate of Union Carbide Corporation and General Precision Equipment Corporation. ("Deep Diver" was featured in a story, with pictures in the April 21st issue of *Life*.)

Corporate Employees Upped During Past Year

Union Carbide Corporation employees grew from 1965 from 73,900 to 80,500 at the end of 1966. This includes employees in the United States, Canada and Puerto Rico (including the 13,000 employed in Oak Ridge and Paducah). Union Carbide's affiliated companies overseas employ approximately 44,000 additional men and women . . . bringing the grand total to 124,500 souls, according to the Annual Report, just published.